WAR DECEMENT

BASIC FIELD MANUAL

# MILITARY INTELLIGENCE

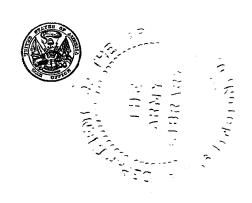
IDENTIFICATION OF FRENCH NAVAL VESSELS

March 7, 1942

# FM 30-53

# BASIC FIELD MANUAL

# MILITARY INTELLIGENCE IDENTIFICATION OF FRENCH NAVAL VESSELS



UNITED STATES
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FM 30-53, Military Intelligence, Identification of French Naval Vessels, is published for the information and guidance of all concerned.

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BY ORDER OF THE SECRETARY OF WAR:

G. C. MARSHALL.

Chief of Staff.

OFFICIAL:

J. A. ULIO

djutant General.

DISTRIBUTION

x<del>pl</del>anation of symbols see FM 21–6.)

908.3 ,A1 FM 35-53

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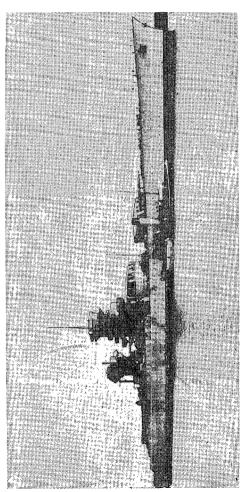
# BASIC FIELD MANUAL

#### MILITARY INTELLIGENCE

#### IDENTIFICATION OF FRENCH NAVAL VESSELS

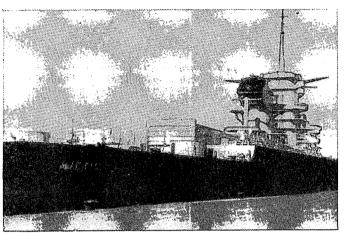
The material contained in this manual has been secured from many sources. It is the best material available but may be incomplete.

This manual, containing illustrations with explanatory data relative to French naval vessels, is published for limited distribution. It will be used for instruction of officers and men in the appearance and general characteristics of French naval vessels and will be safeguarded as prescribed in AR 380–5.



Battleship JEAN BART (June 23, 1940—partially completed)

#### Battleships RICHELIEU CLASS (2 ships)



Battleship JEAN BART (as of December 1940)

Under French control
RICHELIEU (damaged)

JEAN BART (77 percent completed)

Description:

Displacement, 35,000 tons (standard).

Length, 794 feet. Beam, 108¼ feet.

Draft,  $26\frac{1}{2}$  feet (mean).

Speed, 31.5 knots.

Guns: 8 15-inch.

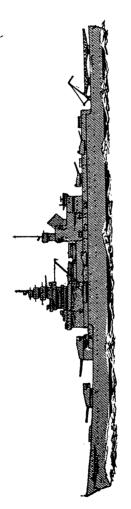
15 6-inch. 12 37-mm AA.

24 caliber .50 AA MG.

Torpedo tubes: None.

Aircraft: 4. Catapults: 2.

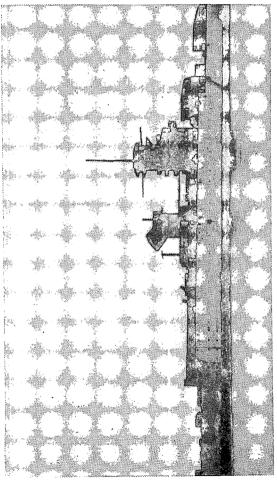
# FRENCH NAVY





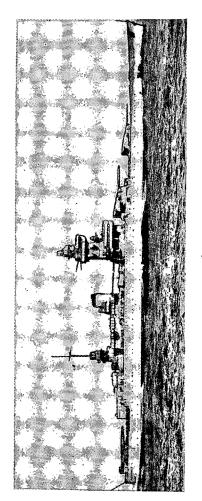
Battleships RICHELIEU and JEAN BART

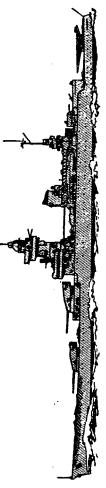
#### Battleships RICHELIEU CLASS



Battleship JEAN BART (June 1940)

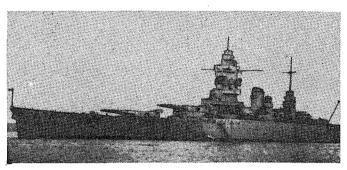
# FRENCH NAVY





Battleship STRASBOURG

#### Battleships DUNKERQUE CLASS (2 ships)



Battleship DUNKERQUE



#### DUNKERQUE CLASS

Under French control
DUNKERQUE (damaged)
STRASBOURG

Description: Displacement, 26,500 tons (standard).

Length, 702 feet (over all).

Beam, 101¾ feet.

Draft, 28 feet (mean).

Speed, 29.5 knots.

Guns: 8 13-inch.

16 5.1-inch (dual purpose).

4 47-mm.

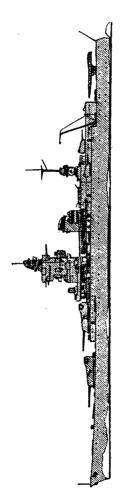
10 37-mm AA.

32 caliber .50 AA MG.

Torpedo tubes: None.

Aircraft: 4.

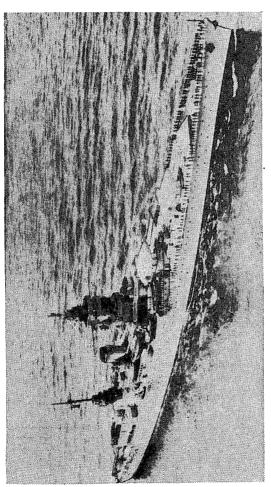
Catapults: 1 (on quarter-deck).



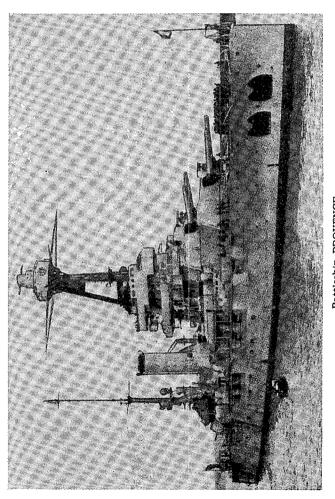


Battleship DUNKERQUE

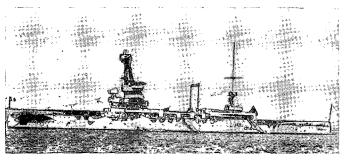
# Battleships DUNKERQUE CLASS



Battleship DUNKERQUE



#### Battleship PROVENCE





Battleship PROVENCE

# Under French control PROVENCE

Description:

Displacement, 22,189 tons (standard).

Length, 544½ feet (over all).

Beam, 881/2 feet.

Draft, 32 feet (maximum).

Speed, 21.4 knots.

Guns:

10 13.4-inch.

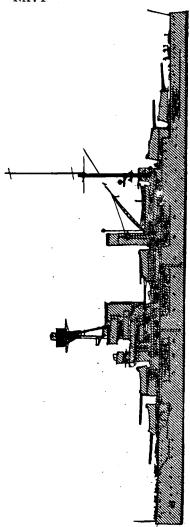
14 5.4-inch.

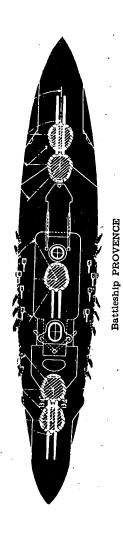
8 3-inch AA.

12 Caliber .50 AA MG. Torpedo tubes: 2 bow; 2 stern; 1 each side.

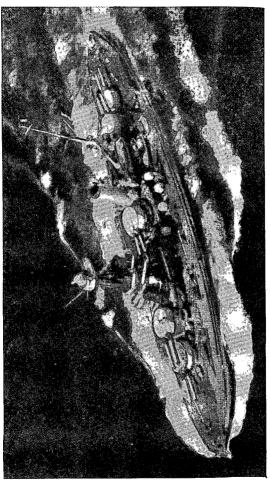
Aircraft:

1

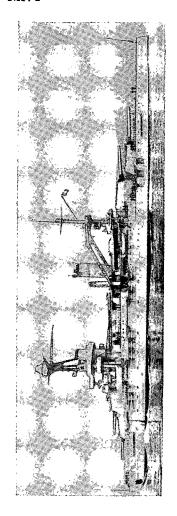




# Battleship PROVENCE



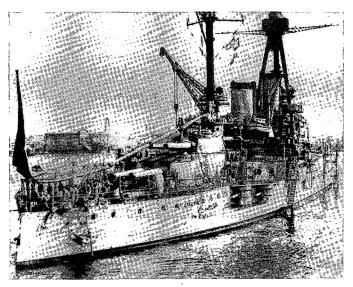
Battleship PROVENCE





Battleship LORRAINE

Battleship LORRAINE



Battleship LORRAINE

Not under French control LORRAINE

Description: Displacement, 22,189 tons (standard).

Length, 5441/2 feet (over all).

Beam, 881/2 feet.

Draft, 32 feet (maximum).

Speed, 21.4 knots.

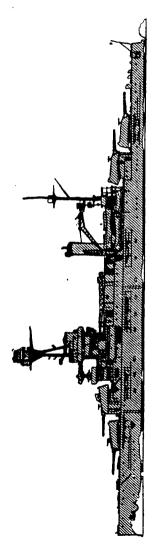
Guns: 8 13.4-inch.

14 5.4-inch.8 3.9-inch AA.

8 caliber .50 AA MG.

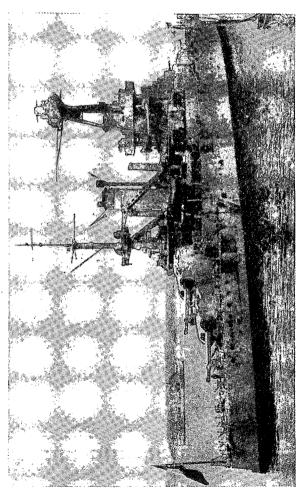
Torpedo tubes: 2 bow; 2 stern; 1 each side.

Aircraft: 4
Catapults: 1



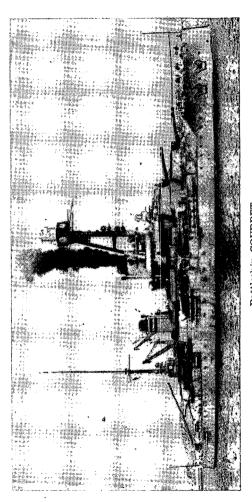


# Battleship LORRAINE



Battleship LORRAINE

# FRENCH NAVY



attleship COURBET

Battleships PARIS CLASS (2 ships)



Battleships PARIS CLASS

Not under French control

PARIS COURBET

Description: Displacement, 22,189 tons (standard).

Length, 551 feet (over all).

Beam, 921/2 feet.

Draft. 32½ feet (maximum).

Speed, 21.4 knots.

Guns: 12 12-inch.

22 5.4-inch.

7 3-inch AA.

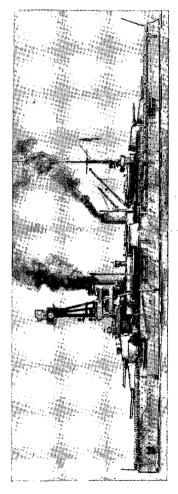
2 47-mm AA.

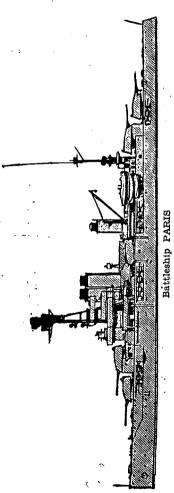
Torpedo tubes: 2 bow; 2 stern; 1 each side.

Aircraft:

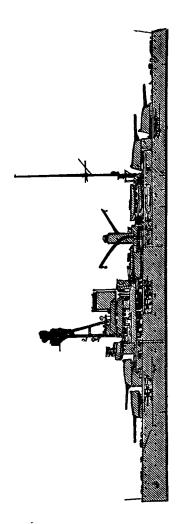
.

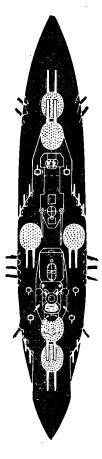




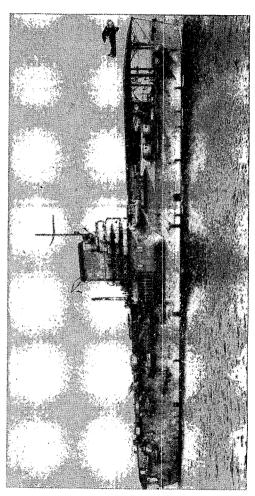


#### Battleships PARIS CLASS



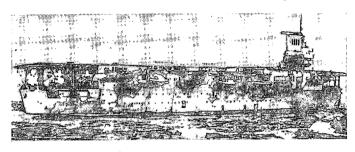


Battleship COURBET (cranes should be as in PARIS, not as shown)



Aircraft Carrier BÉARN

#### Aircraft Carrier BÉARN





Aircraft Carrier BÉARN

Under French control BÉARN

Description: Displacement, 22,146 tons (standard).

Length, 599 feet (over all).

Beam, 89 feet (115½ feet, extreme).

Draft, 30½ feet (maximum).

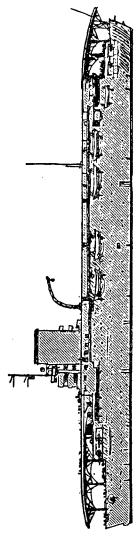
Speed, 21.5 knots.

Guns: 8 6.1-inch.

6 3-inch AA.

8 37-mm AA.

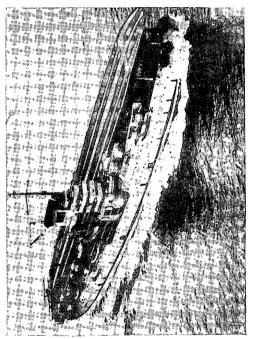
Torpedo tubes: 4 21.7-inch. Aircraft: 36 to 48.



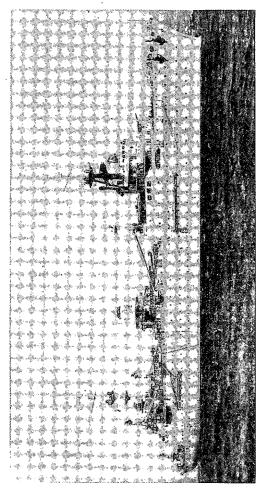


Aircraft Carrier BÉARN

#### Aircraft Carrier BÉARN

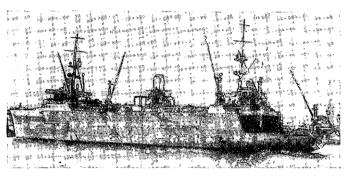


Aircraft Carrier BÉARN



Seaplane Tender COMMANDANT TESTE

# Seaplane Tender COMMANDANT TESTE





Seaplane Tender COMMANDANT TESTE

# Under French control COMMANDANT TESTE

Description: Displacement, 10,000 tons (standard).

Length, 558 feet (over all).

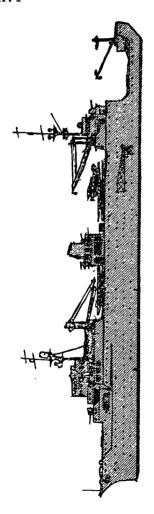
Beam, 71½ feet (88½ feet, extreme).

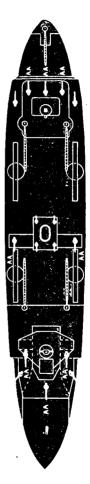
Draft, 22¾ feet. Speed, 20.5 knots.

Guns: 12 3.9-inch AA.

8 1.50-inch AA.12 caliber .50 AA MG.

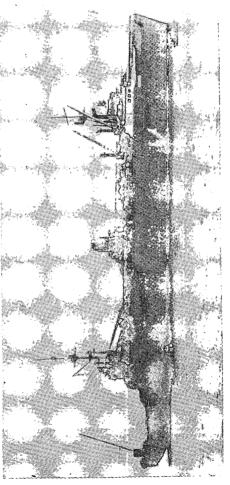
Aircraft: 26. Catapults: 4.





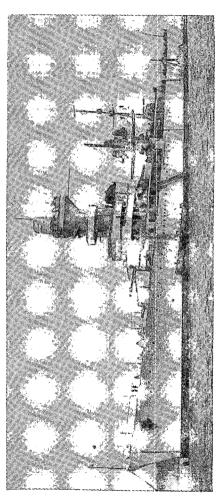
Seaplane Tender COMMANDANT TESTE

# Seaplane Tender COMMANDANT TESTE



Seaplane Tender COMMANDANT TESTE

# FRENCH NAVY



Heavy Cruiser ALGÉRIE

Heavy Cruiser ALGÉRIE



Heavy Cruiser ALGÉRIE

Under French control ALGÉRIE

Description: Displacement, 10,000 tons (standard).

Length, 617 feet (over all).

Beam, 65% feet.

Draft, 24 feet (maximum).

Speed, 32 knots.

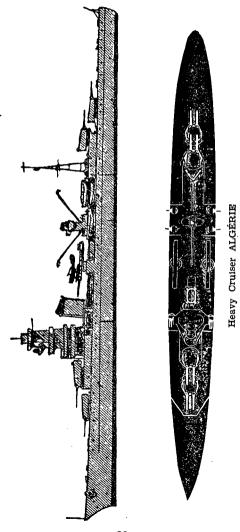
Guns: 8 8-inch.

12 3.9-inch AA.8 37-mm AA.

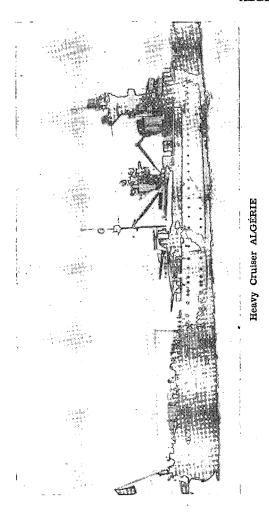
16 caliber .50 AA MG.

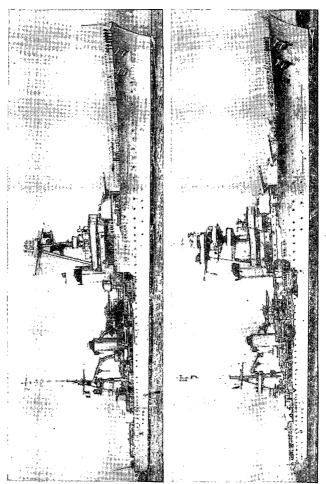
Torpedo tubes: 6 21.7-inch (tripled).

Aircraft: 3. Catapults: 2.



## Heavy Cruiser ALGÉRIE





Heavy Cruisers DUPLEIX (upper) and FOCH (lower)

Heavy Cruisers
COLBERT CLASS



Heavy Cruisers DUPLEIX and COLBERT



Heavy Cruiser FOCH

Under French control

DUPLEIX
FOCH
COLBERT

Description: Displacement, 10,000 tons (standard).

Length, 637 feet (over all).

Beam, 63½ feet.

Draft, 24½ feet (maximum).

Speed, 32 knots.

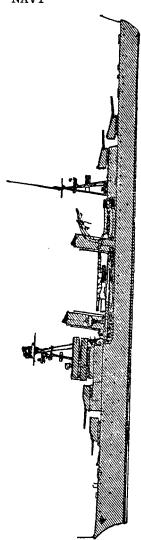
Guns: 8 8-inch.

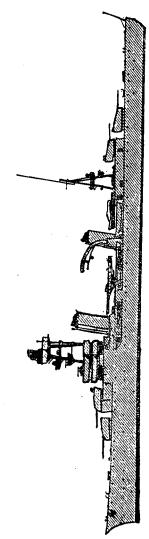
8 3.5-inch AA.8 37-mm AA.

16 caliber .50 AA MG.

Torpedo tubes: 6 21.7-inch (tripled).

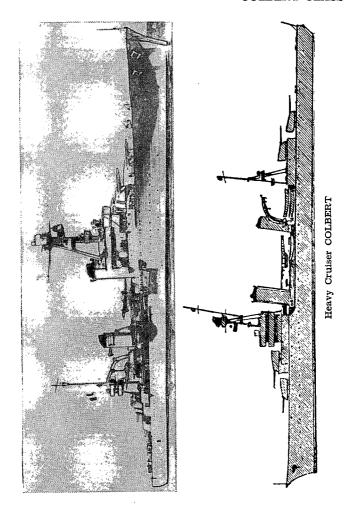
Aircraft: 3. Catapults: 2.

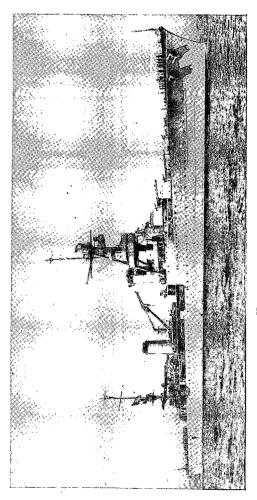




Heavy Cruisers DUPLEIX (upper) and FOCH (lower)

# Heavy Cruisers COLBERT CLASS





Heavy Cruiser SUFFREN

Heavy Cruiser SUFFREN



Heavy Cruiser SUFFREN

Not under French control SUFFREN

Description: Displacement, 10,000 tons (standard).

Length, 643 feet (over all).

Beam, 65% feet.

Draft, 24½ feet (maximum).

Speed, 32 knots.

Guns: 8 8-inch.

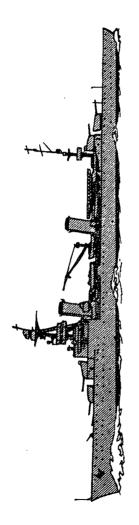
8 3-inch AA.8 37-mm AA.

12 caliber .50 AA MG.

Torpedo tubes: 6 21.7-inch (tripled).

Aircraft: 3. Catapults: 2.

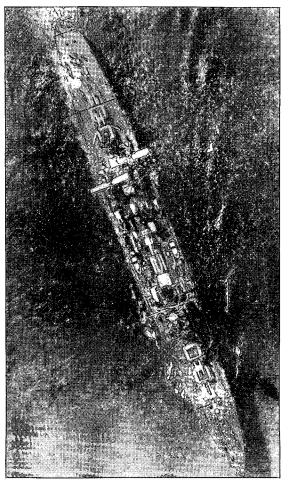
Appearance note: Similar in design to COLBERT CLASS.



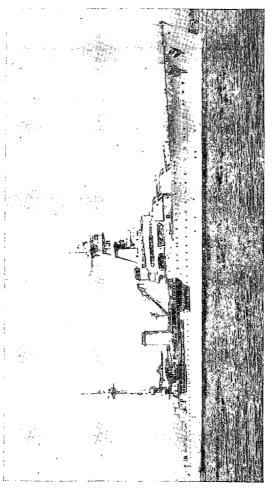


Heavy Cruiser SUFFREN

# Heavy Cruiser SUFFREN



Heavy Cruiser SUFFREN



Heavy Cruiser TOURVILLE

Heavy Cruisers
TOURVILLE CLASS
(2 ships)



Heavy Cruisers DUQUESNE and TOURVILLE

Not under French control DUQUESNE TOURVILLE

Description: Displacement, 10,000 tons (standard).

Length, 626% feet (over all).

Beam,  $62\frac{1}{3}$  feet.

Draft, 23 feet (maximum).

Speed, 33.7 knots.

Guns: 8 8-inch.

8 3-inch AA.

8 37-mm AA.

12 caliber .50 AA MG.

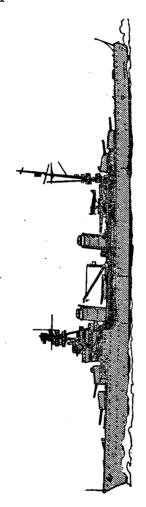
Torpedo tubes: 6 21.7-inch (in triple mountings above

water).

Aircraft:

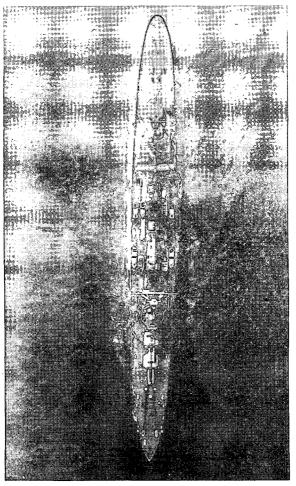
2.

Catapult: 1.

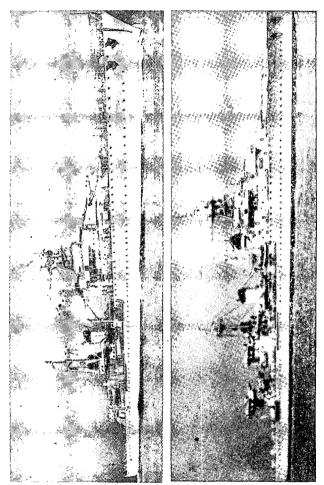




# Heavy Cruisers TOURVILLE CLASS

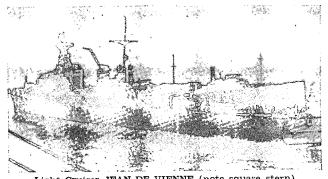


Heavy Cruiser DUQUESNE



Light Cruiser LA GALISSONNIÈRE (upper) and GEORGES LEYGUES (lower)

## Light Cruisers LA GALISSONNIÈRE CLASS (6 ships)



Light Cruiser JEAN DE VIENNE (note square stern)



Light Cruisers of LA GALISSONIÈRE CLASS

Under French control

MARSEILLAISE

GLOIRE

MONTCALM

GEORGES LEYGUES

JEAN DE VIENNE LA GALISSONNIÈRE

Displacement, 7,600 tons (standard). Description:

Length, 5803/4 feet (over all).

Beam, 571/3 feet.

Draft, 171/3 feet (maximum).

Speed, 31 knots.

6-inch. 9 Guns:

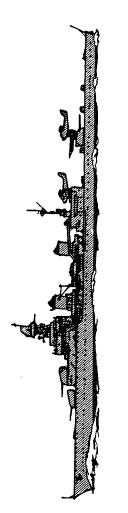
3.5-inch AA.

12 caliber .50 AA MG.

Torpedo tubes: 4 21.7-inch.

Aircraft: 4.

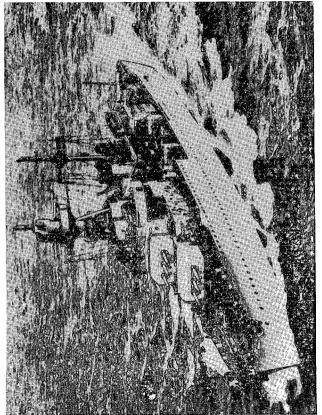
1 (mounted on after turret). Catapult:



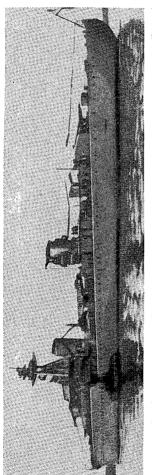


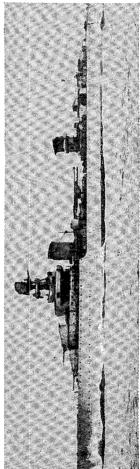
Light Cruisers LA GALISSONNIÈRE CLASS

## Light Cruisers LA GALISSONNIÈRE CLASS



Light Cruiser GEORGES LEYGUES





Light Cruiser-Mine Layer EMILE BERTIN

Light Cruiser (Mine Layer)
EMILE BERTIN



Light Cruiser-Mine Layer EMILE BERTIN

Under French control EMILE BERTIN

Description: Displacement, 5,886 tons (standard).

Length, 5803/4 feet (over all).

Beam, 51¾ feet.

Draft, 173/4 feet (maximum).

Speed, 34 knots.

Guns: 9 6-inch.

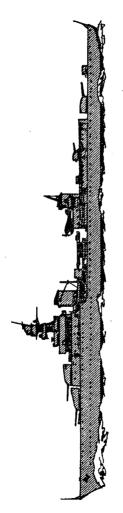
4 3.5-inch AA. 4 37-mm AA.

6 caliber .50 AA MG.

Torpedo tubes: 6 21.7-inch (tripled).

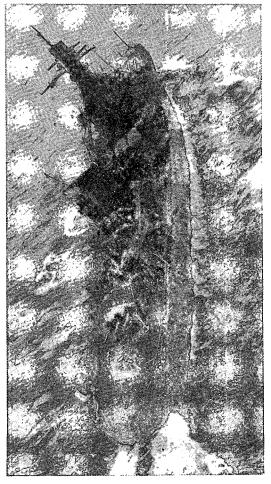
Aircraft: 2. Catapults: 1.

Mines: 200 (unofficial).

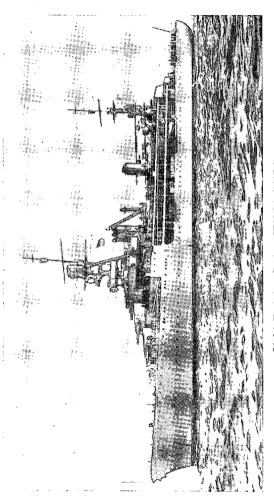




# Light Cruiser (Mine Layer) EMILE BERTIN



Light Cruiser-Mine Layer EMILE BERTIN



Light Training Cruiser JEANNE D'ARC

## Light Training Cruiser JEANNE D'ARC



Light Training Cruiser JEANNE D'ARC

Under French control
JEANNE D'ARC

Description: Displacement, 6,496 tons (standard).

Length, 5573/4 feet (over all).

Beam,  $57\frac{1}{2}$  feet.

Draft, 20% feet (maximum).

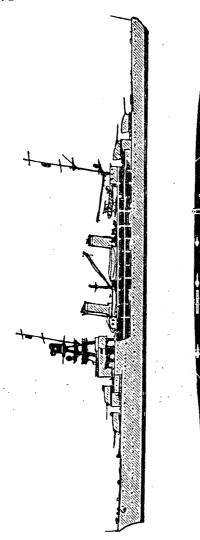
Speed, 28 knots.

Guns: 8 6.1-inch.

4 3-inch AA. 6 37-mm AA.

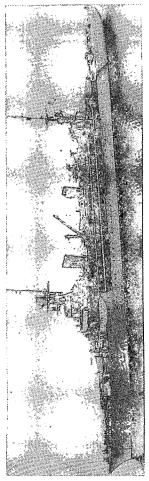
Torpedo tubes: 2 21.7-inch.

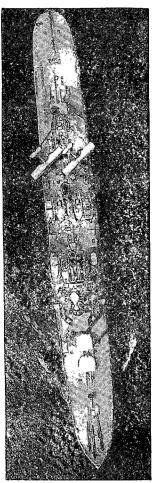
Aircraft: 2 (handled by crane).



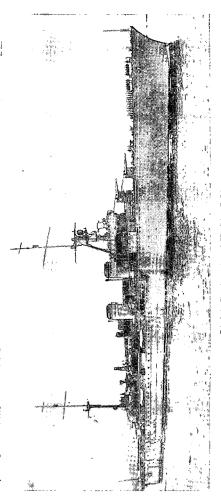
Light Training Cruiser JEANNE D'ARC

# Light Training Cruiser JEANNE D'ARC



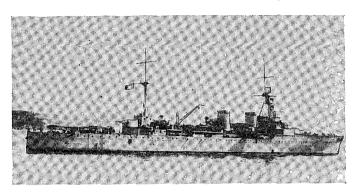


Light Training Cruiser JEANNE D'ARC



Light Cruiser DUGUAY-TROUIN

## Light Cruisers DUGUAY-TROUIN CLASS (3 ships)



Light Cruiser LAMOTTE-PICQUET

Under French control PRIMAUGUET

LAMOTTE-PICQUET

DUGUAY-TROUIN

Not under French control

Description:

Displacement, 7.249 tons (standard).

Length, 594% feet (over all).

Beam, 571/2 feet.

Draft, 20% feet (maximum).

Speed. 34 knots.

Guns:

8 6.1-inch.

4 3-inch AA.

caliber .50 AA MG. 4

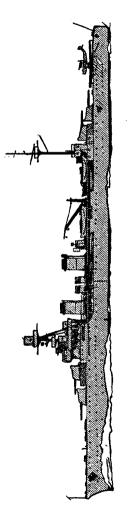
Torpedo tubes 12 21.7-inch (tripled, above water).

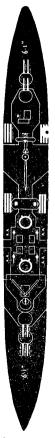
Aircraft:

2.

Catapult:

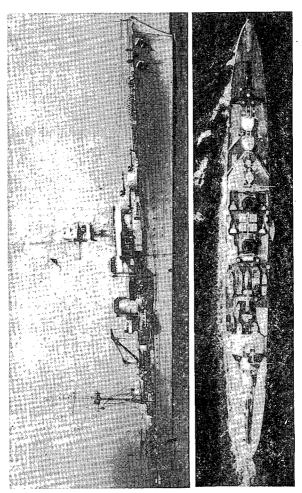
1 (mounted on quarter-deck).



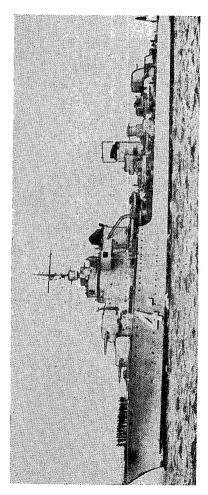


Light Cruisers DUGUAY-TROUIN CLASS

## Light Cruisers DUGUAY-TROUIN CLASS

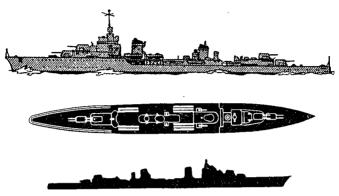


Light Cruiser PRIMAUGUET



Destroyer Leader MOGADOR

Destroyer Leaders
MOGADOR CLASS



 $\begin{array}{c} \textit{Under French control} \\ \textbf{MOGADOR} \end{array}$ 

VOLTA

Description: Displacement, 2,884 tons (standard).

Dimensions, 451 by 41 by 143/4 feet (mean).

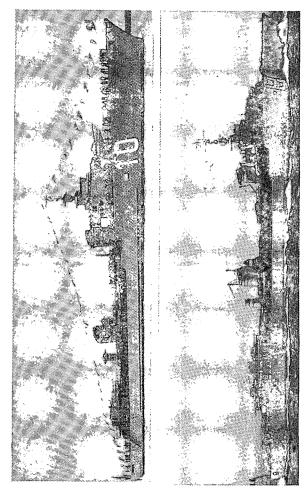
Speed, 38 knots.

Guns:

8 5.4-inch. 2 37-mm AA.

6 caliber .50 AA MG.

Torpedo tubes: 10 21.7-inch (2 triple mounts and 2 pairs).

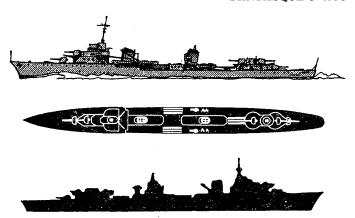


Destroyer Leaders LE FANTASQUE (upper) and LE TRIOMPHANT (lower,

## Destroyer Leaders FANTASQUE CLASS

Not under French control

LE TRIOMPHANT



Under French control

LE MALIN

L'INDOMPTABLE

LE TERRIBLE

L'AUDACIEUX (damaged)

LE FANTASQUE

Description:

Displacement, 2,569 tons (standard).

Dimensions,  $434\frac{1}{3}$  by  $39\frac{1}{3}$  by 14 feet.

Speed, 37 knots.

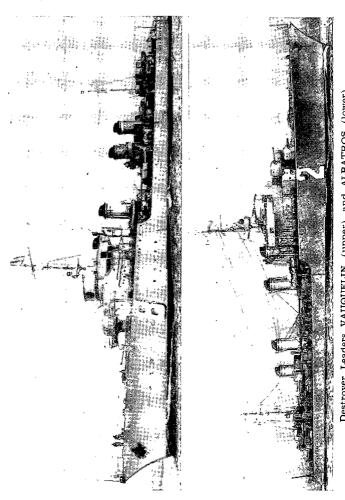
Guns:

5 5.4-inch.

4 37-mm AA.

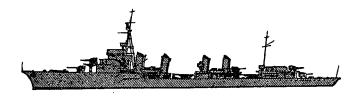
6 caliber .50 AA MG.

Torpedo tubes: 9 21.7-inch (tripled).



66

Destroyer Leaders
AIGLE CLASS





Note.—Stern should appear as in GUÉPARD CLASS.

Under French control
KERSAINT
VAUQUELIN
MILAN
EPERVIER
TARTU
CASSARD
GERFAUT
VAUTOUR
AIGLE

ALBATROS

Description: Displacement, 2,441 tons (standard).

Dimensions, 4231/4 by 40 by 16 feet.

Speed, 36 knots.

Guns: 5 5.4-inch.

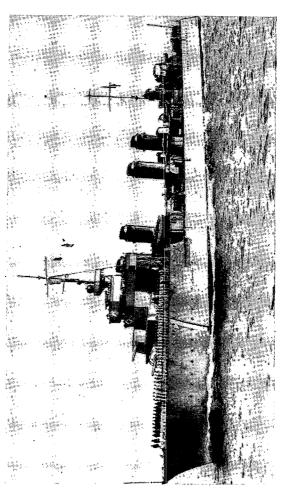
1 3-inch AA.

4 37-mm AA.

4 caliber .50 AA MG.

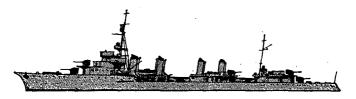
Torpedo tubes: 7 21.7-inch (6 in last four).

## FRENCH NAVY



Destroyer Leader VERDUN

Destroyer Leaders GUÉPARD CLASS





Under French control

LION VAUBAN VERDUN

VALMY (damaged) GUÉPARD (damaged)

Description:

Displacement, 2,436 tons (standard).

Dimensions, 427 by 39 by 15\% feet.

Speed, 35.5 knots.

Guns:

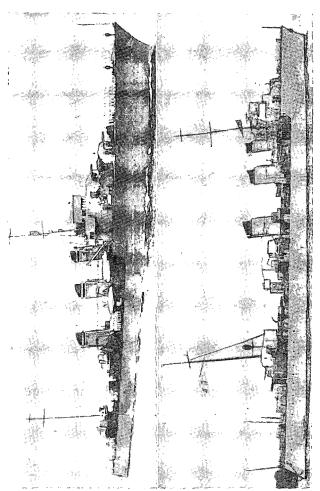
5 5.4-inch.

4 37-mm AA.

Torpedo tubes: 6 21.7-inch.

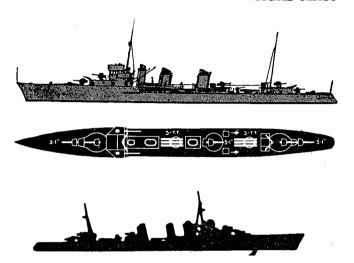
Appearance note: Close resemblance to ships of AIGLE CLASS.

# FRENCH NAVY



Destroyer Leaders LYNX (upper) and LÉOPARD (lower)

## Destroyer Leaders TIGRE CLASS



Under French control

LYNX

PANTHÈRE

TIGRE

Description:

Displacement, 2,126 tons (standard).

Dimensions, 416 by  $37\frac{1}{2}$  by  $17\frac{1}{3}$  feet (maxi-

LÉOPARD

Not under French control

mum).

Speed, 35.5 knots.

Guns:

5 5.1-inch.

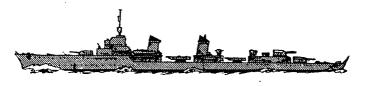
2 3-inch AA.

caliber .50 AA MG.

Torpedo tubes: 6 21.7-inch.

# FRENCH NAVY

Destroyers LE HARDI CLASS







Under French control

CASQUE LE HARDI LANSQUENET MAMELUCK

L'ADROIT (EX EPÉE)

FOUDROYANT (EX FLEURET) SIROCO (EX LE CORSAIRE) BISON (EX LE FLIBUSTIER)

Description: Displacement, 1,772 tons (standard).

Dimensions,  $333\frac{1}{3}$  by  $32\frac{1}{2}$  by 11 feet (mean).

Speed, 35 knots.

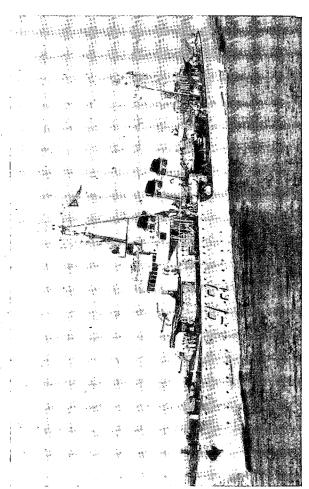
Guns: 6 5.1-inch.

4 37-mm AA.

4 caliber .50 AA MG.

Torpedo tubes: 7 21.7-inch.

# FRENCH NAVY



estrover FORBIN

Destroyers
ALCYON CLASS



Under French control

FRONDEUR BORDELAIS FOUGUEUX ALCYON

BOULONNAIS BRESTOIS

LE MÂRS LA PALME Not under French control

BASQUE FORBIN

LE FORTUNÉ

Description:

Guns:

Displacement, 1,378 tons (standard).

Dimensions, 330.9 by  $32\frac{1}{4}$  by  $9\frac{1}{2}$  feet.

Speed, 33 knots.

4 5.1-inch.
2 37-mm AA on FRONDEUR, BORDELAIS,
FOUGUEUX, ALCYON, BASQUE and

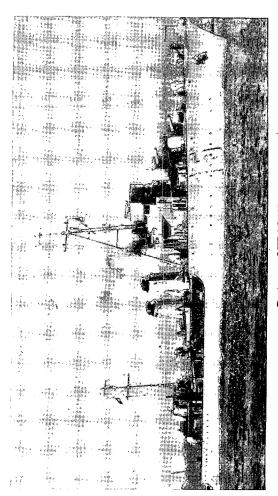
FORBIN.

1 3-inch AA on BOULONNAIS, BRESTOIS, LE MÂRS, LA PALME, and LE FOR-

TUNÉ.

Torpedo tubes: 6 21.7-inch.

## FRENCH NAVY



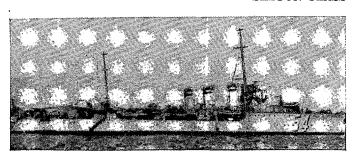
Destroyer OURAGAN

### Destroyers SIMOUN CLASS

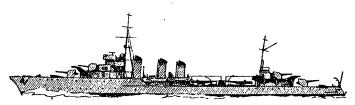
Not under French control

MISTRAL

OURAGAN



Destroyer SIMOUN





Under French control

TORNADE TYPHON TROMBE TEMPÊTE

SIMOUN

TRAMONTANE

Description:

Guns:

Displacement, 1,319 tons (standard).

Dimensions, 347 by 33 by 133/4 feet.

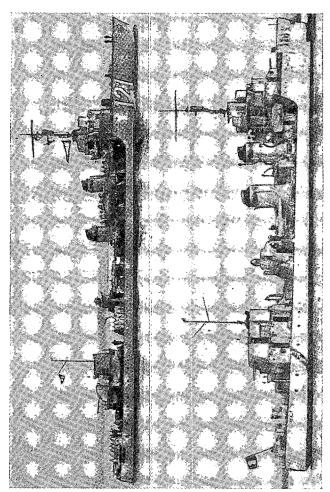
Speed, 33 knots.

4 5.1-inch.

1 3-inch AA. 2 37-mm AA.

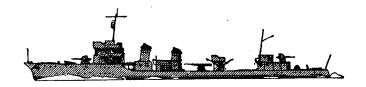
Torpedo tubes: 6 21.7-inch (tripled).

# FRENCH NAVY



Destroyers LA POMONE (upper) and LA FLORE (lower)

Destroyers
(Torpedo Boats)
LA POMONE CLASS





Under French control
LA BAYONNAISE

BALISTE LA POURSUIVANTE

BOMBARDE LA POMONE

L'IPHIGENIE

Not under French control

BOUCLIER

L'INCOMPRISE LA CORDÉLIÈRE

LA MELPOMÈNE

LA FLORE

Description:

Guns:

Displacement, 610 tons (standard).

Dimensions, 2643/4 by 26 by 91/4 feet (mean).

Speed, 34.5 knots.

2 3.9-inch.

2 37-mm AA.

4 caliber .50 AA MG.

Torpedo tubes: 2 21.7-inch.

Submarines
AURORE CLASS
(Recent construction)

Under French control AURORE

Not under French control LA CREOLE

Description:

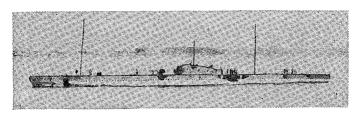
Displacement, 805 tons (standard).

Dimensions, 241 by  $21\frac{1}{3}$  by  $11\frac{1}{2}$  feet.

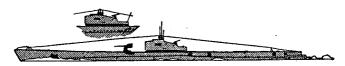
Speed, 15 knots, surface; 9 knots, submerged.

Guns: 1 3.9-inch. Torpedo tubes: 8 21.7-inch.

# Submarines REDOUTABLE CLASS



### MONGE



Pascal type (REDOUTABLE, VENGEUR, as part sketch)

Under French control
\*SIDI-FERRUCH
\*BEVEZIERS
\*CASABLANCA
\*LE TONNANT
\*LE CONQUERANT
\*LE CENTAURE
ARCHIMEDE
FESPOIR
ARCHIMEDE
\*L'ESPOIR
\*LE CENTAURE
PASCAL

\*LE HÉROS HENRI POINCARÉ
\*LE GLORIEUX REDOUTABLE
\*PÉGASE VENGEUR

MONGE Not under French control

PROTÉE

Description: Displacement, 1,379 tons (standard).

Dimensions,  $302\frac{1}{2}$  by 27 by 16 feet.

Speed, 17 knots, surface; \*18 knots, surface;

10 knots, submerged.

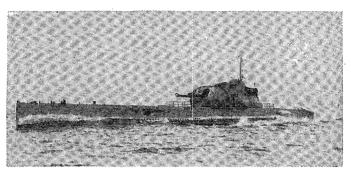
Guns: 1 3.9-inch.

1 37-mm AA.

1 caliber 50 AA MG.

Torpedo tubes: 11 21.7-inch.

## Submarine SURCOUF



### SURCOUF



Not under French control SURCOUF

Description:

Displacement, 2,880 tons (standard).

Dimensions, 361 by  $29\frac{1}{2}$  by  $23\frac{1}{2}$  feet.

Speed, 18 knots, surface; 10 knots, sub-

merged.

Guns:

2 8-inch.

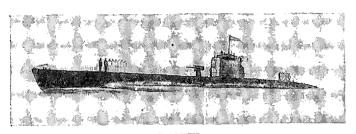
2 37-mm AA

4 caliber 50 AA MG.

Torpedo tubes: 10 21.7-inch. 1.

Aircraft:

# Submarines REQUIN CLASS



### REQUIN



Under French control
CAÏMAN
PHOQUE
DAUPHIN
ESPADON
MARSOUIN
REQUIN

Description: Displacement, 974 tons (standard).

Dimensions, 257½ (p/p) by 23 by 17¾ feet. Speed, 16 knots, surface; 10 knots, submerged.

Guns: 1 3.9-inch.

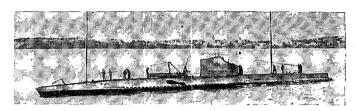
caliber .50 AA MG.

Torpedo tubes: 10 21.7-inch (4 bow and 2 stern submerged;

4 above water before and abaft con-

ning tower).

# Submarines DIANE CLASS—Part I (Coastal Type)



### ATALANTE



### Under French control

Length, beam, draft: 211 by 20 by 133/4 feet.

VÉNUS, 597 tons. IRIS, 597 tons. LA SYBILLE, 571 tons. LA PSYCHÉ, 571 tons.

AMAZONE, 571 tons. ORÉADE, 571 tons. AMPHITRITE, 571 tons.

ANTIOPE, 571 tons.

DIANE, 571 tons. MÉDUSE, 571 tons.

ORPHÉE, 571 tons.

221 by 18½ by 15 feet. CÉRÈS, 597 tons. PALLAS, 597 tons. Length, beam, draft: 208 by 21 by 13¾ feet.

LA SULTANE, 565 tons.

LA VESTALE, 565 tons. Length, beam, draft:

ARÉTHUSE, 565 tons.

ATALANTE, 565 tons. ARGONAUTE, 565 tons.

Description: Speed, 14 knots, surface; 9 knots, submerged.

Guns: 1 3-inch AA.

1 caliber .50 AA MG.

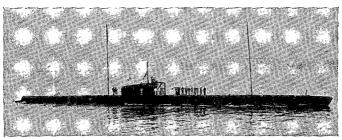
Torpedo tubes: 8 21.7-inch

(7 21.7-inch and

2 15.7-inch VÉNUS, IRIS, CÉRÈS, and PALLAS).

# Submarines DIANE CLASS—Part II (Coastal Type)

### (Part I and part II differ only in minor details.)





Not under French control Length, beam, draft: 211 by 20 by 13¾ feet. JUNON, 597 tons. MINERVE, 597 tons.

Length, beam, draft: 219 by 22 by 15 feet. ONDINE, 558 tons. ORION, 558 tons.

Description: Speed, 14 knots, surface; 9 knots, submerged.

Guns: 1 3-inch AA.

1 caliber .50 AA MG.

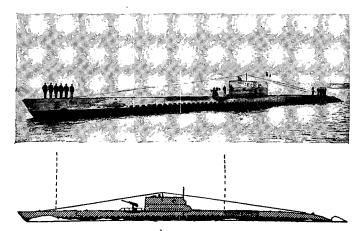
Torpedo tubes: 8 21.7-inch on ONDINE and ORION;

7 21.7-inch and

2 15.7-inch on JUNON and MINERVE.

# Submarines SIRÈNE CLASS—Part I (Coastal Type)

(Part I and part II differ only in minor details.)



SIRÈNE GROUP

Under French control SIRÈNE

GALATÉE NAÏADE

Description: Displacement, 548 tons.

Dimensions 210 (p/p) by 21 by  $14\frac{3}{4}$  feet.

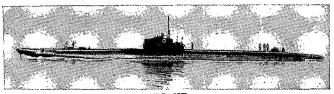
Speed, 14 knots, surface; 7.5 knots, submerged.

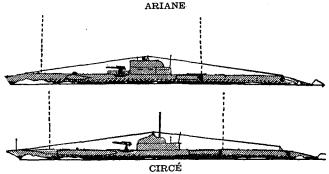
Guns: 1 3.9-inch AA.

2 caliber .50 AA MG.

Torpedo tubes: 7 21.7-inch.

# Submarines SIRÈNE CLASS—Part II (Coastal Type)





### ARIANE GROUP

Under French control

 Group No. 1
 Group No. 2

 CIRCÉ
 ARIANE

 CALYPSO
 DANÄÉ

 THETIS
 EURYDICE

Description: Group No. 1-

Displacement, 552 tons.

Dimensions,  $204\frac{1}{2}$  (p/p) by  $21\frac{1}{3}$  by  $12\frac{3}{4}$  feet, Speed (surface), 14 knots; (submerged),

7.5 knots.

Group No. 2— Displacement, 576 tons.

Dimensions,  $216\frac{1}{2}$  by  $20\frac{1}{3}$  by  $13\frac{1}{2}$  feet. Speed (surface), 14 knots; (submerged),

7.5 knots.

Guns: 1 3.9-inch.

2 caliber .50 AA MG.

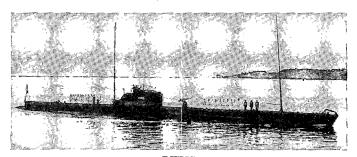
Torpedo tubes: 7 21.7-inch.

# Submarines (Mine Layers) SAPHIR CLASS

Not under French control



TURQUOISE



RUBIS



SAPHIR CLASS

Under French control
PERLE
DIAMANT
NAUTILUS

SAPHIR

TURQUOISE

Description: Displacement, 669 tons (standard).

Dimensions,  $216\frac{1}{2}$  by  $23\frac{2}{3}$  by 16 feet.

Speed (surface), 12 knots; (submerged), 9

RUBIS

knots.

Guns: 1 3-inch AA. Torpedo tubes: 5 21.7-inch.

32 mines stowed in outer ballast tanks.

### APPENDIX I

### LIST OF SHIPS

### Under French Control

Battleships:	Destroyer leaders.—Continued
--------------	------------------------------

Richelieu (damaged) Vauquelin

Jean Bart Milan

(77 percent completed) Epervier Dunkerque (damaged) Tartu

Strasbourg Cassard
Provence Gerfaut

Aircraft carrier: Vautour
Béarn Aigle
Seaplane tender: Albatros

Commandant Teste Lion
Heavy cruisers: Vauban
Algérie Verdun

Dupleix Valmy (damaged)
Foch Guépard (damaged)

Colbert Lynx
Light cruisers: Panthère
Marseillaise Tigre
Gloire Destroyers:
Montcalm Casque

Georges Leygues Le Hardi
Jean De Vienne Lansquenet
La Galissonnière Mameluck
Emile Bertin L'Adroit

Jeanne D'Arc Foudroyant
Primauguet Siroco
Lamotte-Picquet Bison

Destroyer leaders: Frondeur
Mogador Bordelais
Volta Fougueux
Le Malin Alcyon
L'Indomptable Boulonnais

Le Terrible Brestois
L'Audacieux (damaged) Le Mârs
Le Fantasque La Palme

Kersaint Tornade

### Under French Control-Continued

Destroyers.—Continued. Submarines—Continued.

Typhon Marsouin
Trombe Requin
Tempête Vénus
Simoun Iris

Tramontane La Sybille
La Bayonnaise La Psyché
Baliste Amazone
La Poursuivante Oréade
Bombarde Amphitrite
La Pomone Antiope
L'I'phigenie Diane

Submarines: Méduse
Sidi-Ferruch Orphée
Beveziers La Sultane
Casablanca La Vestale

Le Tonnant Cérès
Le Conquerant Pallas
Le Centaure Aréthuse
Le Héros Atalante
Le Glorieux Argonaute
Pégase Sirène

Monge Galatée
Argo Naïade
Archimede Circé
L'Espoir Calypso
Acheron Thetis
Actéon Ariane
Fresnel Danäé

Pascal Eurydice
Henri Poincaré Perle
Redoutable Diamant
Vengeur Nautilus
Caïman Saphir

Phoque Turquoise
Dauphin Aurore

Espadon

### Not Under French control

Battleships: Destroyers—Continued.

Lorraine Mistral
Paris Ouragan
Courbet Bouclier

Heavy cruisers: L'Incomprise
Suffren La Cordélière
Duquesne La Melpomène

Tourville La Flore
Light cruiser: Submarines:

Duguay-Trouin Protée
Destroyer leaders: Surcouf
Le Triomphant Junon

Leopard Minerve
Destroyers: Ondine
Basque Orion

BasqueOrionForbinRubisLe FortunéLa Creole

# APPENDIX II FRENCH NAVAL GUNS

Caliber (inches)	Model	Length (cali- bers)	Weight of gun (metric tons)	Weight of projectile (pounds)	Weight of charge (pounds)	Pressure (kilograms per square	Initial veloc- ity (feet per
13. 4	1912	45	66. 3	1, 219	332	centi- meter)	2, 604
13. 4	1933	52	00.3	1, 188	302	2,000	3, 480
12	1906-10	45	54. 02	950	277	2, 400	2, 568
8	1924	50	20.72	271	103	2, 750	2, 788
6. 1	1920	50	8, 53	123	43	3, 050	2, 788
6	1930	55	8, 13	119	37	3, 200	2, 854
	1929	50	4. 11	88			2, 821
5. 5	1923	40	4. 11	88	20	2, 500	2, 296
	1910	55	5. 3	86	24	2, 500	2, 722
5. 1	1924	40	3. 87	70	18	2, 420	2, 408
0. 1	[1919	40	4. 39	70	18	2, 420	2, 408
3. 9	1917	45	1. 56	31	9	2, 300	2, 362
3. 5	1926	50	1. 60	21	7	3, 200	2, 788
3	1924	50	1, 09	13	4	2, 560	2, 788
1.5	1925	50	. 16	1, 65	. 55	2, 400	2, 788

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